(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property **Organization**

International Bureau



(43) International Publication Date 6 May 2005 (06.05.2005)

PCT

(10) International Publication Number WO 2005/041329 A1

(51) International Patent Classification7: H01M 4/86, 8/12

(21) International Application Number:

PCT/EP2003/010821

(22) International Filing Date:

30 September 2003 (30.09.2003)

(25) Filing Language:

English

(26) Publication Language:

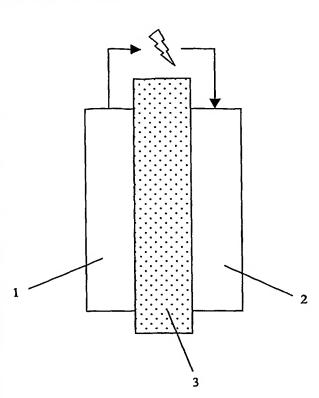
English

- (71) Applicant (for all designated States except US): PIRELLI & C. S.P.A. [IT/IT]; 10, Via Gaetano Negri, I-20123 Milano (IT).
- (71) Applicant (for US only): DUBITSKY, Yuri, A. [RU/IT]; Via Valassina, 45, I-20159 Milano (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SIN XICOLA, Agustin [ES/IT]; Via Bazzini, 19/b, I-20040 Carnate (IT). ALBIZZATI, Enrico [IT/IT]; Via Trieste, 2, I-28040 Lesa (IT). ARICO, Antonino, Salvatore [IT/IT]; Via SS 114 Km. 3.900, CPL Azzurra, 92, I-98125 Contesse (ME)

- (IT). GULLO, Laura, Rosalba [IT/IT]; Via Contesse 4, I-98125 Messina (IT). LA ROSA, Daniela [IT/IT]; Via Vico Arco, 7, I-98055 Lipari (IT). ANTONUCCI, Vincenzo [IT/IT]; Via Porto Salvo, 9, Isolato 467, I-98121 Messina (IT).
- (74) Agents: BOTTERO, Carlo et al.; Pirelli & C. S.p.A., Viale Sarca, 222, I-20126 Milano (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: SOLID OXIDE FUEL CELL



(57) Abstract: A solid oxide fuel cell including a cathode, at least an electrolyte membrane, and an anode comprising a ceramic containing at least one of cobalt and iron, said ceramic being mixed with doped ceria.

WO 2005/041329 A1



Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.